

**Table-1:** Demographic, clinical, radiological and bronchoscopic findings of patients diagnosed with congenital lobar emphysema

	<b>Conservative</b> (n=16)		<b>Surgery</b> (n=4)		<b>Total</b> (n=20)		<b>p</b>
<b>Mean age of diagnosis</b>	3,16 age (4 days-17 years)		1.9 months (1 days-4 months)		3.2 age (1 day-17 years)		p<0.001
<b>Mean age of admission</b>	4.67 age (1 month-17 years)		3.7 months (21 days-5 months)		4,53 age (21 days-17 years)		p<0.001
	<b>n=16</b>	<b>%</b>	<b>n=4</b>	<b>%</b>	<b>n=20</b>	<b>%</b>	
<b>Male/female</b>	8/8	50/50	3/1	75/25	11/9	55/45	-
<b>Symptom/Findings</b>							
Cough	10	62.5	4	100	14	70	p=0.068
Recurrent lung infections	7	43.75	-	-	7	35	-
Respiratory insufficiency	-	-	3	75	3	15	p<0.001
Intrauterine ultrasonography	2	12.5	-	-	2	10	-
Suspicion of foreign body aspiration	4	25	-	-	4	20	-
Neonatal pneumonia	2	12.5	1	25	3	15	-
Neonatal intensive care unit admission	1	6.25	4	100	5	25	p=0.054
<b>Chest X-Ray</b>							
Hyperinflation	14	87.5	4	100	20	100	-
Mediastinal shifting	-	-	2	50	2	10	p=0.051
Atelectasis	1	6.25	1	25	2	10	-
<b>Thorax CT<sup>a</sup></b>							
Mediastinal shifting	-	-	4	50	2	10	p=0.049
Hyperinflation	16	100	4	100	-	-	-
Atelectasis	1	6.25	1	25	2	10	-
Mild deviation of Trachea/heart	1	6.25	2	50	-	-	p=0.073
Vascular compression	1	6.25	-	-	1	5	-
<b>Lobar Involvement</b>							
Left upper*	7	43.75	3	75	10	50	p=0.067
Lingula	1	6.25	-	-	1	5	-
Right upper	2	12.5	-	-	2	10	-
Right middle	3	18.75	-	-	3	15	p=0.089
Left lower	-	-	1	25	1	5	-
Right middle and right upper **	1	6.25	-	-	-	5	-
Upper right and left lower***	1	6.25	0	0	-	5	-
<b>Flexible bronchoscopy findings</b>							
Malaise	6	37.5	2	50	8	40	-
Mucosal fold / flap	6	37.5	1*	25	7	35	-
Atresia	2	12.5	-	-	2	10	-
Pulsatile cyst	1	6.25	-	-	1	5	-
Fish-mouth appearance	2	12.5	3	75	5	25	-
<b>Accompanying diseases</b>							
Asthma / wheezing child	4	25	-	-	4	20	-
Laryngeal cleft	1	6.25	-	-	1	5	-
PDA <sup>b</sup>	-	-	1	25	1	5	-
Right aortic arch and mid muscular VSD <sup>c</sup>	-	-	1	25	1	5	-
Secundum ASD	1	6.25	-	-	1	5	-

**abbreviations:**<sup>a</sup>CT: thorax computed tomography; <sup>b</sup>PDA: patent ductus arteriosus; <sup>c</sup>VSD: ventricular septal defect, <sup>d</sup>ASD: Atrial septal defect

\* One patient had both left upper fish mouth deformity and mucosal folds laterally\*\*One patient had malaise in the leftupper lobe and right middle lobe was atretic. \*\*\*One patient had nearly obstructing mucosal flap in the right upper lobe and fish mouth view in the left lower lobe.